

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

OCTOBER 1934

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Free distribution of technical material and periodicals is restricted.

Except in the case of exchanges, publications are not sent free to residents of foreign countries.

FARMERS' BULLETINS

Rabbit production. Frank G. Ashbrook and Chas. E. Kellogg, Bureau of Biological Survey. 38 p., illus. (F. B. 1730FB.) Price, 5¢.

These recommendations are based largely on findings at the United States Rabbit Experiment Station, established and maintained at Fontana, Calif., by the Bureau of Biological Survey, in cooperation with the Fontana Farms Co. and local rabbit breeders.

Alfalfa varieties in the United States. H. L. Westover, Bureau of Plant Industry. 14 p., illus. (F. B. 1731FB.) Price, 5¢.

Some alfalfas give best results in the North, where the winters are cold and the days are long during the growing season, while others do better in the extreme South, where the winters are mild and the days during the summer are shorter than in the Northern States. Four groups are described in this bulletin.

Farmhouse plans. Wallace Ashby, Bureau of Agricultural Engineering. 70 p., illus. (F. B. 1738F.) Price, 10¢.

The purpose of this bulletin is to supply plans for low-cost farm dwellings designed to meet the requirements of the farm operator and his family.

Game laws for the season 1934-35. A summary of the provisions of Federal, State, and Provincial Statutes. H. P. Sheldon and Frank G. Grimes, Bureau of Biological Survey. 38 p. (F. B. 1742FB.) Price, 5¢.

LEAFLETS

Poisoning of livestock by plants that produce hydrocyanic acid. James F. Couch, Bureau of Animal Industry. 4 p. (Leaf. 88L., rev.) Price, 5¢.

Prevent storage rots of sweetpotatoes. J. I. Lauritzen and L. L. Harter, Bureau of Plant Industry. 5 p., illus. (Leaf. 106L.) Price, 5¢.

TECHNICAL BULLETINS

Pile trestles as channel obstructions. David L. Yarnell, Bureau of Agricultural Engineering. 26 p., illus. (T. B. 429T.) Price, 10¢.

Presents the results of 1,082 experiments on the effect of clean pile trestles; that is, pile trestles free of any debris in obstructing the flow of water made at the hydraulic laboratory of the University of Iowa at Iowa City, Iowa, during 1929 and 1930.

Refrigerated transportation of Bartlett pears from the Pacific Northwest. E. D. Mallison and C. L. Powell, Bureau of Plant Industry, 30 p., illus. (T. B. 434TB.) Price, 5¢.

Deals with the factors affecting the cost of transporting precooled Bartlett pears and the effectiveness of different methods of refrigerating the fruit in transit.

Application of steam in the sterilization of soils. Arthur H. Senner, Bureau of Agricultural Engineering. 20 p., illus. (T. B. 443TB.) Price, 5¢.

Soil sterilization as a means of protecting a crop against certain soil-borne diseases is practiced by greenhouse vegetable growers throughout the country. It is also an effective method of combating the nematode, and for the control of certain insects which pass part of their life cycle in the soil.

Market distribution of car-lot shipments of fruits and vegetables in the United States. J. W. Park, Bureau of Agricultural Economics. 30 p., illus. (T. B. 445TB.) Price, 5¢.

Analyzes the available statistics on market distribution of car-lot shipments. The regularity of distribution to various markets, the distance of origin of supply from important markets, the relative importance of various commodities in the supply of different cities, and other pertinent phases are discussed.

CIRCULARS

Agronomic evaluation tests on mechanical blocking and cross cultivation of sugar beets. A. W. Skuderna, H. E. Brewbaker, C. E. Cormany, C. A. Lavis, S. B. Nuckols, Charles Price, F. R. Immer, J. O. Culbertson, and G. W. Deming, Bureau of Plant Industry; E. M. Mervine, Bureau of Agricultural Engineering. 23 p., illus. (Cir. 316C.) Price, 5¢.

Deals principally with the agronomic results obtained in the mechanical blocking and cross-cultivating-of-beets project, which has been studied from the point of view of both the agricultural engineer and the agronomist.

Field experiments with vernalized wheat. H. H. McKinney, W. J. Sando, Arthur F. Swanson, Vincent C. Hubbard, Glenn S. Smith, Coit A. Suneson, and Joe L. Sutherland, Bureau of Plant Industry. 8 p. (Cir. 325C.) Price, 5¢.

Describes the experiments conducted during 1933, in order to obtain information on any possible commercial usefulness that might be derived from the vernalization of certain standard varieties of winter and spring wheats before seeding in the spring.

MISCELLANEOUS PUBLICATIONS

Bibliography on land settlement with particular reference to small holdings and subsistence homesteads. Compiled by Louise O. Bercaw, A. M. Hannay, Esther M. Colvin, and Mary G. Lacy, Bureau of Agricultural Economics. 492 p. (M. P. 172MP.) Price, 50¢.

An attempt to collect references to agricultural land settlement in the United States and in foreign countries which are likely to be useful to those interested in the literature of subsistence homesteads, small holdings, and land settlement as relief for unemployment.

Workers in subjects pertaining to agriculture in State agricultural colleges and experiment stations, 1933-34. Mary A. Agnew, Office of Experiment Stations. 110 p. (M. P. 180MP.) Price, 10¢.

An annotated bibliography of the hessian fly, *Phytophaga destructor* (Say). J. S. Wade, Bureau of Entomology and Plant Quarantine. 100 p. (M. P. 198MP.) Price, 10¢.

Presents in a form as condensed as is feasible an annotated bibliography of the hessian fly, *Phytophaga destructor*, (Say), with special reference to the literature relating to the insect within its areas of distribution in North America north of Mexico, to June 30, 1933.

The naval stores station of the Bureau of Chemistry and Soils. F. P. Veitch, Bureau of Chemistry and Soils. 11 p., illus. (M. P. 206MP.) Price, 5¢.

Describes the buildings and equipment of the station, also its purpose and program. In addition, some of the accomplishments of the Bureau of Chemistry and Soils in its work on naval stores are listed.

Status of waterfowl in 1934. W. B. Bell and E. A. Preble, Bureau of Biological Survey. 18 p., illus. (M. P. 210MP.) Price, 5¢.

The present favorable breeding ranges in the United States and in Canada are not now occupied by nesting birds in numbers anywhere nearly approaching their potential capacity. This suggests the necessity of practical means by which the waterfowl population may be built up to a reasonable degree of abundance.

SERVICE AND REGULATORY ANNOUNCEMENTS

Items relating to the administration of the United States Cotton Standards and Cotton Futures Acts. Bureau of Agricultural Economics. 21 p. (S. R. A.-B. A. E. 146.)¹

Regulations governing the appraisalment of and compensation for tuberculous cattle condemned and destroyed under the provisions of Public No. 142, Seventy-Third Congress. Effective on and after June 12, 1934. (B. A. I. Order 344.)

Bureau of Animal Industry, Service and Regulatory Announcements, August 1934. Pp. 71-77. (S. R. A.-B. A. I. 328.) September 1934. Pp. 79-85. (S. R. A.-B. A. I. 329.) Price, 5¢ each.

Revision of sugarcane quarantine no. 15 (foreign). Bureau of Entomology and Plant Quarantine. 1 p. (B. E. P. Q.-Q. 15.)¹

Revision of notice of quarantine no. 19 on account of citrus canker and other citrus diseases. Effective September 1, 1934. Bureau of Entomology and Plant Quarantine. (B. E. P. Q.-Q. 19.)¹

¹ These may be obtained from the issuing bureau.

Gypsy moth and brown-tail moth quarantine (quarantine no. 45). Revision of regulations, effective October 2, 1934. Bureau of Entomology and Plant Quarantine. 8 p. (B. E. P. Q.-Q. 45.)¹

Bureau of Plant Quarantine, Service and Regulatory Announcements, April-June 1934. Pp. 33-57. (S. R. A.-B. P. Q. 119.)¹

Notices of Judgment under the Food and Drugs Act. Food and Drug Administration. Pp. 247-324. (N. J., F. D. 20751-20875); pp. 325-395. (N. J., F. D. 21601-21775); pp. 397-451. (N. J., F. D. 21776-21825.)¹

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 18, no. 10, October 1, 1934. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.²

Crops and markets. Vol. 11, no. 9, September 1934. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 71, no. 3, September; no. 4, October 1934. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.50 per volume, foreign. Single number for sale only. Price, 15¢.²

Extension service review. Vol. 4, no. 5, September 1933. Illus. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.²

Journal of Agricultural Research. Price, \$3.25 a year domestic; \$4.75 a year foreign. Each issue, 15¢ domestic; 20¢ foreign. Reprints, 5¢ each.² Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

Vol. 49, no. 4. Illus. August 15, 1934.

Contents:

Studies on resistance of apple and other rosaceous plants to fire blight (Wis.-62). Luther Shaw.

The interrelationships of bark beetles and blue-staining fungi in felled Norway pine timber (Minn.-86). J. G. Leach, L. W. Orr, and Clyde Christensen.

Selenium injury to wheat plants and its inhibition by sulphur (G-919). Annie M. Hurd-Karrer.

Studies of derris, nicotine, paris green, and other poisons in combination with molasses in the control of the gladiolus thrips (K-253). Henry L. Richardson.

The forms of nitrogen in infusions of corn, timothy, red clover, tobacco, and red top (Mass.-40). Walter S. Eisenmenger.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

Indicate below, by numbers **IN NUMERICAL ORDER**, bulletins desired. In order to assure prompt delivery detach this frank and return in stamped envelop to United States Department of Agriculture, Office of Information, Washington, D. C. List no more than five publications. If more are desired please apply to Superintendent of Documents, Government Printing Office, Washington, D. C., enclosing remittance to cover cost of publication.

Farmers' Bulletins	Leaflets	Other publications



Vol. 49, no. 7, illus. October 1, 1934.

Contents:

- The nature and interaction of genes differentiating habit of growth in a cross between varieties of *Triticum vulgare* (Minn.-88). LeRoy Powers.
 Wound infection and tissue invasion by *Plasmodiophora brassicae* (Wis.-63). Russell H. Larson.
 White spotting in Duroc-Jersey swine (Idaho-12). Julius E. Nordby.
 Genetics of resistance to bacterial wilt in alfalfa (G-926). R. A. Brink, F. R. Jones, and H. R. Albrecht.
 Interrelation between cultural treatment of pecan trees, the size and degree of filling of the nuts, and the composition of the kernels (G-927). H. L. Crane and Max B. Hardy.
 Inheritance of awn development in sorghums (G-929). J. B. Sieglinger, A. F. Swanson, and J. H. Martin.

Public roads. Vol. 15, no. 7, September 1934. Price, 10¢ a copy; \$1 a year, \$1.50 a year, foreign.²

Weekly weather and crop bulletin. Nos. 40-43, October 2-23, 1934. Price, 50¢ a year, domestic; \$1 a year, foreign.²

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

AGRICULTURAL ADJUSTMENT ADMINISTRATION

Compilation of Agricultural Adjustment Act as amended and acts relating thereto, as of June 29, 1934. 105 p. Price, 10¢.²

Safer markets and better prices for milk producers. C. C. Davis. 8 p. Illus. (G-22).³

Reopening foreign markets for farm products. Extract from an address by Henry A. Wallace, Secretary of Agriculture, at the American Institute of Cooperation, Madison, Wis., July 11, 1934. 7 p. (G-27).³

Amendment to license for shippers of fresh California deciduous tree fruits except apples. License series—license no. 7. 3 p. (M-11—Amdt. 1).³

Order of the Secretary of Agriculture altering the price of extra fancy, clean, Japan, California rice, F. O. B. San Francisco, California, pursuant to marketing agreement [no. 10], as amended, for California rice industry. 2 p. (M-21—Amdt. 2).³

Amendment to license [no. 26] for shippers of oranges and grapefruit grown in the State of Texas. 1 p. (M-42—Amdt. 1).³

Order of the Secretary of Agriculture with reference to the amount of and basis of calculation of the conversion charge, pursuant to marketing agreement [no. 39], as amended, for southern rice milling industry. 2 p. (M-76—Amdt. 1).³

Amendment to amended license [no. 11], for southern rice milling industry. 2 p. (M-76—Amdt. 2.); 2 p. (M-76—Amdt. 4).³

Order of the Secretary of Agriculture with reference to the amount of minimum prices for rough rice, pursuant to marketing agreement [no. 39], as amended, for southern rice milling industry. 2 p. (M-76—Amdt. 3).³

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D. C.

³ These may be obtained free upon application to the Agricultural Adjustment Administration.

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